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DEPARTMENT OF NATURAL RESOURCES DIVISION OF RECLAMATION Fountain Square Columbus, Ohio 43224

APPLICATION FOR AN INCIDENTAL BOUNDARY REIVISION

	(File in Quadruplicate)
1. 2.	Permittee's Name <u>The Ohio Valley Coal Company</u> Phone # 614)926-1351 Address 56854 Pleasant Ridge Road Zip Code 43902
3.	Alledonia, Ohio Coal Mining Permit # D-0360
4.	Additional acres to be mined 13.0
5.	Has this acreage been mined? Yes, NoX
6.	Describe the reason this additional acreage is required. This additional acreage is required to transport coal from and to ventilate the previously-permitted acreage.
7.	Describe the activities to be conducted on this area. 1. Haulage of coal from permitted area. 2. Ventilation of permitted area.
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NAME OF SURFACE AND MINERAL OWNERS	Twp.&_ Range	Section	Township	County
Name The Ohio Valley Coal Company Address 56854 Pleasant Ridge Road		19,20	Smith	Belmont
City & State Alledonia, Ohio 43902 Surface Mineral X	11. 4. 11			
Name Delmas W. & Mary L. Caretti	T-6-N	19,20	Smith	Belmont
Address 46100 Belmont-Centerville City & State Jacobsburg, OH 43933 Surface X Mineral	R-4-W		Ý	
Name				
Address				
City & State				
Surface Mineral Zip				
(If additional space is needed, list	t on a sepa	rate sheet	in this fo	ormat.)
I, the undersigned authorized representative of the permittee, hereby attest that the information contained in this revision request is true and correct to the best of my knowledge and belief. Project Engineer 12-12-89 Signature Title Date				
(FOR DIVIS	ION USE ONI	Y)		
This application is hereby <u>Approve</u> and effective this date. The acreage now part of permit <u>p.0360</u> (permit #)	by the definition between the definition by the definition between the definition by the definition between the	ne Chief, D in item 5	ivision of of this app	Reclamation Dication is
<u>1-17-90</u> Date	ief Divis	sion of Rec	Lamation	
\$	•			age fee was

* Not applicable since there will be no surface effectment.

TYPICAL MAIN NORTH ENTRIES

Total Block of Coal

$$\frac{400 \text{ Ft x } 408 \text{ Ft x } 6.5 \text{ Ft x } 80 \text{ Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 42,432 \text{ Tons}$$

Pillars Remaining (36 Pillars)

$$\frac{47 \text{ Ft x } 47 \text{ Ft x } 6.5 \text{ Ft x } 36 \text{ x } 80 \text{ Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 20,676 \text{ Tons}$$

Recovery:
$$\frac{42,432 - 20,676}{42,432} = 51$$
%

This figure does <u>not</u> include the 115 Ft x 540 Ft barrier pillar adjacent to Main North. In addition, larger pillars exist at the intersection of gate entries and Main North for track haulage. These blocks are not included in the typical configuration used for these calculations.

TYPICAL 4 ENTRY LONGWALL GATE

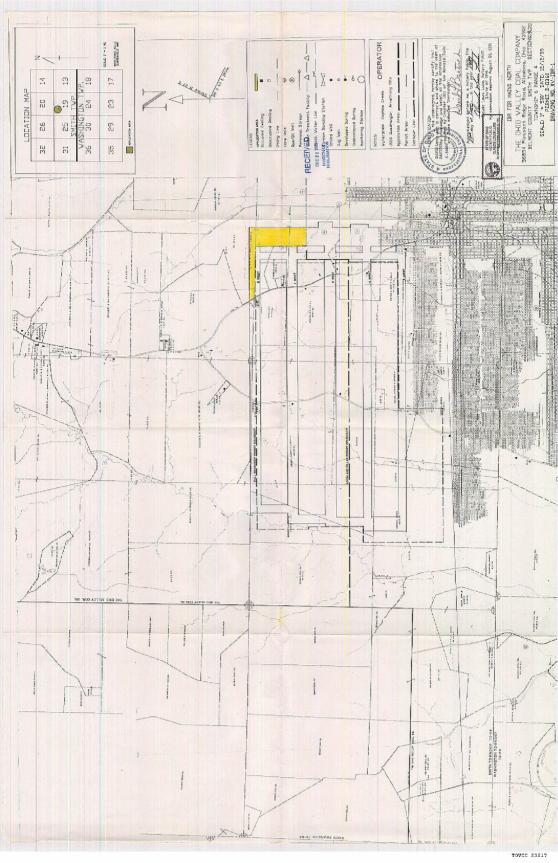
Total Block of Coal

$$\frac{251 \text{ Ft x 619 Ft x 6.5 Ft x 80 Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 40,396 \text{ Tons}$$

Pillars Remaining (18 Pillars)

$$\frac{(81 \text{ Ft x 6 + 47 Ft x 12}) \ 101 \text{ Ft x 6.5 Ft x 80 Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 27,573 \text{ Tons}$$

Recovery:
$$\frac{40,396-27,573}{40,396} = 32\%$$



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	20,20		
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R-4-W			
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January 11, 1990

Mr. Michael J. Nishimura
Division of Reclamation
Ohio Department of Natural Resources
Fountain Square
Columbus, Ohio 43224

Dear Mr. Nishimura:

In response to your letter dated January 9, 1990, find enclosed four (4) copies of the public notices for ARP's R-0360-1 and R-0360-2. Both public notices include Section 20 of Smith Township, Belmont County, Ohio. ARP R-0360-2 lists Delmas W. and Mary L. Caretti as surface owners within Section 20.

If you have any questions, please contact me.

Very truly yours,

THE OHIO VALLEY COAL COMPANY

David L. Bartsch, P.E.

Project Engineer

DLB:jlr Enclosures

Copies to: J. R. Forrelli

M. R. St. John

File

PROOF OF PUBLICATION

The State of Ohio County of Belmont, ss:

The undersigned, being sworn. says that he or she is an employee of The Times Leader, Inc., A Corporation, publisher of the Times Leader a newspaper printed and published in Martins Ferry, Belmont County, Ohio, each day of the week except Saturday and of general circulation in said city and county; that it is a newspaper meeting the requirements of sections 7.12 and 5721.01 Ohio Revised Code as amended effective September 14, 1957; that affiant has custody of the records and files of said newspaper; and that the advertisement of which the annexed is a true copy, was published in said newspaper on each of the days in the month and year stated, as follows:

Econoler 27 January
3,10,17 19 86
Jour a Trinke
Subscribed by Affiant and sworn
to before me, thisday
of
DONNA JEAN LANDERS, Morey, Public
State of Ohio Notary Public Represe February 5, 1990
Printer's Fees \$ 70.00

THE TIMES LEADER Martins Ferry, Ohio Bellaire, Ohio

Notary's Fees



PUBLIC NOTICE
THE NACCO MINING COMPANY (NACCO), 58854 Pleasant Ridge Road, Alledonia, Ohio, 43982, has submitted application. Bx389-1 to revise cosimining and-reclamaticas permit b-0380, to the Ohio Department of Natural Resources, Division of Reclamation. The permit area is located in Sections 36, 29, 23 and 22 of Washington Township, T-5-N, R-4-W and at this time, it will remain unchanged. The area proposed for revision is that area where, underground mining can be anticipated during the 189-bit this mine. Nacco currently owns cosimining rights to the reserves of the Pittsburgh 86 cost seem in all or parts of sections 13, 14, 15, 18, 19, 28, 21, 22, 25, 26, 27, 28 and 31 of Smith Township, Belmont County, and all or parts of sections 3, 4, 5, 9, 19, 11, 12, 15, 18, 17, 18, 21, 22, 23, 24, 27, 28, 29, 30, 33, 34, 35, and 35 of Washington Township, Belmont County, and all or parts of sections 3, 4, 5, 9, 19, 11, 12, 15, 18, 17, 18, 21, 22, 23, 24, 27, 28, 29, 30, 33, 34, 35, and 35 of Washington Township, Belmont County.

A copy-of the application and a map illustrating these areas, and the portion of these areas where mirting will occur within the next five years is on fille at the Ohio Department of Resurras. Divisioned Reclamation, 8650 Bannsock Road, St. Clairwille, Ohio 43950 for public viewing.

Written comments or requests for informal conference may be sent to the Division of Reclamation, Fountain Square, Building 18-3, Columbus, Ohio 43224, within thirty days of the last date of publication of this notice. T-Adv. Dec. 27 - 4 Fri.

Public Notice

The Nacco Mining Company, 56854 Pleasant Ridge Road, Alledonia, Ohio 43902, has submitted application number R-0360-2 to revise coal mining permit D-0360, to the Ohio Department of Natural Resources, Division of Reclamation. The area of the Permit Revision is located in Smith Township, parts of Sections 19, 20, 25, 26, 31, and 32; and Washington Township, parts of Sections 24, 30, and 36, of Belmont County. The area encompasses approximately 550 acres and is located on the Armstrongs Mills, 7-1/2 minute U.S.G.S. quadrangle.

The application proposes to expand the five year plan to include additional coal removal.

A copy of the application is on file at the Belmont County Court House, Recorder's Office, 101 West Main Street, St. Clairsville, Ohio 43950, for public viewing. Written comments, or requests for additional conference, may be sent to the Division of Reclamation, Fountain Square, Building B-3, Columbus, Ohio 43224, within 30 days of the last date of this notice.

PROOF OF PUBLICATION

The State of Ohio County of Belmont, ss:

The undersigned, being sworn, says that he or she is an employee of Eastern Ohio Newspapers, Inc., A Corporation, publisher of the Times Leader a newspaper published in Martins Ferry, Belmont County, Ohio, each day of the week except Saturday and of general circulation in said city and county; that it is a newspaper meeting the requirements of sections 7.12 and 5721.01 Ohio Revised Code as amended effective September 14, 1957; that affiant has custody of the records and files of said newspaper; and that the advertisement of which the annexed is a true copy, was published in said newspaper on each of the days in the month and year stated, as follows:

FIL 19 87 - Jail Ce Remner

Subscribed by Affiant and sworn

to before me, this ... day of

^. + A.D. 19 27

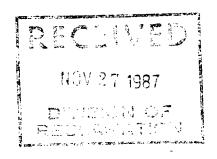
non wind the

DONNA JEAN LANDERS, Notary Public
State of Ohio
My Commission Expires February 6, 1990

Printer's Fees \$ 50.00

THE TIMES LEADER
Martins Ferry, Ohio
Bellaire, Ohio

The Nacos Mining Company, 58854
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Mills, 714 minute U.S.G.S. quadrangle.
The application proposes to describe
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A copy delign application is capital
or additional conference, may be an expension
of Resemble, Onto 43050, for public
viewing, Written commence, or request
for additional conference, may be an inSquare, Building B-B, Columbus, Onto
43224, within 50 days of the test date of
the notice.



OCT 1 5 1987

R0360=2

Fountain Square Columbus, Ohio 43224

January 9, 1990

Mr. David Bartsch The Ohio Valley Coal Company 56854 Pleasant Ridge Road Alledonia, OH 43902

Dear Mr. Bartsch:

Greg Cybulski and I reviewed your proposed 13 acre Incidental Boundary Revision (IBR) for permit D-0360 submitted to the Columbus office December 20, 1989. You are proposing an acreage amount greater than what you originally discussed with us (previously, approximately 3 acres). This is unacceptable unless you can comply with the following revision:

You are proposing area in section 20. Unless you have previously published a public notice which specifically identified section 20 as an area to be mined, you must delete this area from your map and revise your acreage figure. If you have previously published, submit a copy of the public notice.

Please revise your IBR as necessary and submit 4 copies of revisions. If you have any questions, please contact me at (614) 265-6633 at your convenience.

Sincerely,

Michael J. Nishimura
Division of Reclamation

MJN:ap

cc: G. Cybulski

D. Jonard

M. Dillman

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I, the undersigned authorized represer the information contained in this to the best of my knowledge and by Authorized Prosignature	revisio elief.	n request	is true	and correc
(FOR DIVISI	ION USE ONI	LY)	<u> </u>	
This application is hereby and effective this date. The acreage in now part of permit (permit #)				Reclamation plication is
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\$ of performance boreceived on	ond and \$_		acre	age fee was
(Date)				



December 13, 1989

Mr. Tim Dieringer, Chief Division of Reclamation Ohio Department of Natural Resources Fountain Square Columbus, Ohio 43224

Attention: Mr. Dale Jonard

Dear Mr. Dieringer:

Enclosed is an incidental boundary revision (IBR) for permit D-0360. This area (13 acres) is needed to provide access into the 7 West and 8 West gate entries.

The recovery factor for Main North is 51 percent, excluding the large barrier pillars and larger pillars that would remain in place. The recovery factor in 8 West (gate only) is 32 percent. These calculations are included herein.

The entries to be mined will supply ventilation to and haulage from the previously approved mining area described in ARP R-0360-2. Mining in the proposed IBR application area is projected to begin in March, 1990. Therefore, your prompt consideration in this matter would be greatly appreciated.

If you have any questions, please contact me.

Very truly yours,

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David L. Bartsch, P.E.

Project Engineer

DLB:jlr Enclosure

Copies to: M. R. St. John

J. R. Forrelli

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at the work site would provide a quick reference in the event of questions or problems.

The basic purpose of a rehabilitation program is to assure development of safe work procedures for the persons performing rehabilitation work before such work is begun. The final rule reflects this purpose by requiring that the operator establish clean-up and support procedures to be followed during rehabilitation work and instruct the persons who perform such work in these procedures before rehabilitation work is started. Adding requirements for MSHA evaluation and approval of rehabilitation plans before they are implemented would not always be in the best interest of the safety of miners, and may impose unnecessary delay in rehabilitating unsupported areas. The final rule, therefore, does not adopt this approach.

Paragraph (b) requires that persons performing rehabilitation work be experienced in this work or that they be supervised by a person, designated by the mine operator, who has experience in rehabilitation work. Because of the hazardous nature of rehabilitation work, it is essential that inexperienced persons not perform such work without

proper supervision.

Some commenters suggested that the person designated by the operator to supervise the rehabilitation work be required to be a "certified person." The fact that persons are certified does not always mean that they possess skills related to rehabilitation work. In addition, such a requirement would exclude persons who are experienced and knowledgeable in rehabilitation work but are not certified.

Paragraph (c) addresses the supports to be installed where rehabilitation work is not being performed. The standard applies to the active workings of mines, and requires that posts be set on at least 5-foot centers across each entry to the location. Equally effective supports are also permitted to be used. This precaution controls expansion of the unsupported area, and alerts persons to the hazard of unsupported roof.

The proposed requirement for a readily visible warning to be posted or a physical barrier installed at the entrance to areas not being rehabilitated is deleted from the final rule. The requirement for posts on 5-foot centers will provide a visible indicator of the unsupported area and prevent inadvertent entry by alerting persons to the hazards in the area.

The term "mining machines" has been added to this standard to clarify that the standard applies to roof removed by mining machines, as well as to roof

removed by blasting. In addition, the final rule specifies the Agency's intention that the standard apply to active workings to avoid the possible interpretation that these supports may be required in abandoned areas.

Section 75.213 Roof support removal.

This standard, which is derived from existing § 75.204 and existing criteria in § 75.200-14, establishes requirements for removing permanent roof supports. It sets forth precautions to minimize the hazards involved in the removal of roof supports and identifies circumstances under which roof supports cannot be removed. These requirements replace the existing criterion which provided that operators who intend to recover roof supports should include a detailed plan for such recovery in the roof control plan.

Paragraph (a) specifies that the removal of permanent roof supports be done either by persons experienced in this work or by persons under the supervision of a person designated by the operator, who is experienced in removing roof supports. Also, persons performing this work are required to have at least one year of underground mining experience so that they are aware of the general hazards associated

with underground mining.

The proposal provided for persons removing permanent roof supports to perform this work in the presence of a 'supervisor," and assigned the supervisor certain tasks. Some commenters opposed the use of terms in safety standards which suggest job titles or classifications. In response, the final rule requires that permanent roof support removal be done by experienced persons, or that persons performing this work be supervised by an experienced person designated by the operator. The purpose of this requirement is to assure that at least one person who is knowledgeable and experienced in the removal of permanent roof support is present when this work is performed.

Some commenters suggested that the removal of permanent roof supports be prohibited, except where necessary to remove broken crossbars along travelways or haulageways. They stated that the dangers miners are exposed to in doing this type of work outweigh the benefits gained by removing the supports.

The primary purpose for removing roof supports is to accommodate blasting of the mine soof to obtain additional height for the installation of an overcast or belt conveyor drive. Crossbars, beams, and other similer supports are also removed to allow the mine roof to cave, relieving roof

pressures. MSHA believes that this work can be performed safely by following the practices specified in this standard. The Agency recognizes, however, that the removal of roof bolts is particularly hazardous where full pillar extraction is conducted or adverse roof conditions are present. Indicators such as roof bolt torque readings or the condition of conventional support may show excessive loading, roof fractures or other signs that the roof is weak. The removal of permanent roof supports under these conditions is addressed by the final rule as discussed below.

Paragraph (b) requires a person designated by the operator to examine the roof conditions in the area where the supports are to be removed before this work is started. The roof conditions in these areas must be evaluated to determine whether it is safe to remove the supports.

Paragraph (c) requires at least one row of temporary supports on not more than 5-foot centers or equivalent support, to be installed prior to the removal of crossbars, beams or similar supports. These supports must be installed across the opening from which the supports are to be removed. If one row of temporary supports is not sufficient to assure safe removal, the standard requires additional supports to be installed across the opening. This provision revises the existing criterion which specified that at least 2 rows of posts on not more than 4-foot centers be installed across the opening within 4 feet of the location where the supports are to be removed. This revision was made in response to commenters who stated that the supports required by the existing standard was excessive in most applications. The purpose of installing these temporary supports is to prevent a roof fall that may be induced by removal of the crossbars, beams, or similar supports, from extending beyond the area from which the supports are removed. MSHA recognizes that the number of temporary supports necessary to accomplish this goal can vary depending on the number of crossbars, beams, or similar supports that are to be removed. For example, when only one crossbar is being removed, one row of temporary supports may be sufficient to prevent a roof fall from extending beyond the location where the support is being removed. On the other hand, when multiple supports are being removed, two or more rows of breaker posts may be necessary. In addition, other factors, such as the condition of the roof in the area where supports are to be removed, would



December 13, 1989

Mr. Tim Dieringer, Chief Division of Reclamation Ohio Department of Natural Resources Fountain Square Columbus, Ohio 43224

Attention: Mr. Dale Jonard

Dear Mr. Dieringer:

Enclosed is an incidental boundary revision (IBR) for permit D-0360. This area (13 acres) is needed to provide access into the 7 West and 8 West gate entries.

The recovery factor for Main North is 51 percent, excluding the large barrier pillars and larger pillars that would remain in place. The recovery factor in 8 West (gate only) is 32 percent. These calculations are included herein.

The entries to be mined will supply ventilation to and haulage from the previously approved mining area described in ARP R-0360-2. Mining in the proposed IBR application area is projected to begin in March, 1990. Therefore, your prompt consideration in this matter would be greatly appreciated.

If you have any questions, please contact me.

Very truly yours,

THE OHIO VALLEY COAL COMPANY

David L. Bartsch, P.E.

Project Engineer

DLB:jlr Enclosure

Copies to: M. R. St. John

J. R. Forrelli

File

TYPICAL MAIN NORTH ENTRIES

Total Block of Coal

$$\frac{400 \text{ Ft x } 408 \text{ Ft x } 6.5 \text{ Ft x } 80 \text{ Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 42,432 \text{ Tons}$$

Pillars Remaining (36 Pillars)

$$\frac{47 \text{ Ft x } 47 \text{ Ft x } 6.5 \text{ Ft x } 36 \text{ x } 80 \text{ Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 20,676 \text{ Tons}$$

Recovery:
$$\frac{42,432 - 20,676}{42,432} = 51$$
%

This figure does <u>not</u> include the 115 Ft x 540 Ft barrier pillar adjacent to Main North. In addition, larger pillars exist at the intersection of gate entries and Main North for track haulage. These blocks are not included in the typical configuration used for these calculations.

TYPICAL 4 ENTRY LONGWALL GATE

Total Block of Coal

$$\frac{251 \text{ Ft x 619 Ft x 6.5 Ft x 80 Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 40,396 \text{ Tons}$$

Pillars Remaining (18 Pillars)

$$\frac{(81 \text{ Ft x 6 + 47 Ft x 12}) \text{ 101 Ft x 6.5 Ft x 80 Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 27,573 \text{ Tons}$$

Recovery:
$$\frac{40,396-27,573}{40,396} = 32\%$$



December 13, 1989

Mr. Tim Dieringer, Chief Division of Reclamation Ohio Department of Natural Resources Fountain Square Columbus, Ohio 43224

Attention: Mr. Dale Jonard

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The recovery factor for Main North is 51 percent, excluding the large barrier pillars and larger pillars that would remain in place. The recovery factor in 8 West (gate only) is 32 percent. These calculations are included herein.

The entries to be mined will supply ventilation to and haulage from the previously approved mining area described in ARP R-0360-2. Mining in the proposed IBR application area is projected to begin in March, 1990. Therefore, your prompt consideration in this matter would be greatly appreciated.

If you have any questions, please contact me.

Very truly yours,

THE OHIO VALLEY COAL COMPANY

David L. Bartsch, P.E.

Project Engineer

DLB:jlr Enclosure

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J. R. Forrelli

File

APPLICATION FOR AN INCIDENTAL BOUNDARY REIVISION

	(File in Quadruplicate)
1.	Permittee's Name <u>The Ohio Valley Coal Company</u> Phone # 614) 926-1353 Address 56854 Pleasant Ridge Road Zip Code 43902
	Alledonia, Ohio
3.	Coal Mining Permit # <u>D-0360</u>
4.	Additional acres to be mined 13.0
5.	Has this acreage been mined? Yes, No
6.	Describe the reason this additional acreage is required. This additional acreage is required to transport coal from and to ventilate the previously-permitted acreage.
7.	Describe the activities to be conducted on this area. 1. Haulage of coal from permitted area. 2. Ventilation of permitted area.
8.	Is the information contained in the previously approved permit application applicable to this revised area? Yes, No If "no", describe any changes to the previously approved permit application
	that will apply to this revised area.

TYPICAL MAIN NORTH ENTRIES

Total Block of Coal

$$\frac{400 \text{ Ft x } 408 \text{ Ft x } 6.5 \text{ Ft x } 80 \text{ Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 42,432 \text{ Tons}$$

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Recovery:
$$\frac{42,432 - 20,676}{42,432} = 51$$
%

This figure does <u>not</u> include the 115 Ft x 540 Ft barrier pillar adjacent to Main North. In addition, larger pillars exist at the intersection of gate entries and Main North for track haulage. These blocks are not included in the typical configuration used for these calculations.

TYPICAL 4 ENTRY LONGWALL GATE

Total Block of Coal

$$\frac{251 \text{ Ft x 619 Ft x 6.5 Ft x 80 Lb/Ft}^3}{2000 \text{ Lb/Ton}} = 40,396 \text{ Tons}$$

Pillars Remaining (18 Pillars)

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Recovery:
$$\frac{40,396 - 27,573}{40,396} = 32$$
%

INTER-OFFICE CORRESPONDENCE

The Ohio Valley Coal Company

ALLEDONIA, OHIO 43902

DATE: January 22, 1990

TO:

John R. Forrelli

SUBJECT:

MAINS NORTH MINING - PERMITTED AREA

FROM:

David L. Bartsch DUB

As I noted earlier today, we have received approval of the IBR that includes 2 Main North to 8 West. As of this time, when we get to 8 West, we cannot progress further north without mining out of our permitted area. In addition, we can mine in 8 West only up to Route 9. However, please note that if we turn 8 West entirely south of the line between Sections 19 and 20, all of 8 West can be mined.

I am currently completing an ARP that will include the area from 8 West to 10 West. I am planning to submit the ARP prior to the end of January. We will need to have approval of this ARP by January, 1991 to stay ahead of the longwall.

DLB: jlr

Copies to: M. R. St. John

C. R. Kaluger